

# SERVICE BULLETIN



Service Bulletin No.: DAC1-73-03 Rev 0

Date Issued: 08 December 2006

Title: Engine Fuel Line Replacement – Filter to Throttle Body (IO240-B17B)

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1. **ATA Code:** 7300
2. **Effectivity:** Serial Number C0380 to C0406, inclusive.
3. **General:** This service bulletin allows installation of an alternate fuel line on DA20-C1 aircraft with IO240-B17B engines to improve routing between the in-line fuel filter and the throttle body. This change has been incorporated by Teledyne Continental Motors on the IO240-B17B engines fitted to DA20-C1 aircraft, serial number C0407 and up.
4. **Compliance:** Optional/Recommended.
5. **Approval:** Engineering data referenced or contained in this service bulletin is approved as part of the type design.
6. **Labour:** Approximately 1 hour will be required to accomplish this service bulletin.

*This estimate is for direct labor performed by a technician and it does not include setup, planning, familiarization, cure time, part fabrication or tool acquisition.*

7. <b>Material:</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
	646644S4Y5.00	Fuel Line, 5.00"	1
	AN822-4 / MS20822-4	Elbow, 90°, pipe to flare	1

The above material may be ordered as kit DAC1-73-03-AMK1.

8. **Special Tools:** N/A
9. **References:** DA20-C1 Maintenance Manual (AMM), Document number DA201-C1. TCM Service Information Directive SID 97-3, Revision C or higher

## 10. Accomplishment Instructions:

**Warning: Ground aircraft before servicing fuel system.**

- 10.1 Remove and discard fuel line between in-line fuel filter on apron baffle and throttle body.
- 10.2 Remove and discard 45° fitting on outlet of in-line fuel filter.
- 10.3 Install AN822-4 (MS20822-4) 90° fitting on outlet of in-line fuel filter. Orient as shown in Figure 1.
- 10.4 Connect fuel line 646644S4Y5.00 fuel line to 90° fitting on fuel filter.

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- 10.5 Flush fuel hose by inserting end of hose into a cup or bucket and turning prime pump on until fuel flows continuously from the hose.
- 10.6 Connect fuel line to throttle body. Orient as shown in Figure 1.
- 10.7 Do a check for fuel leaks.

## 11. Weight and Balance:

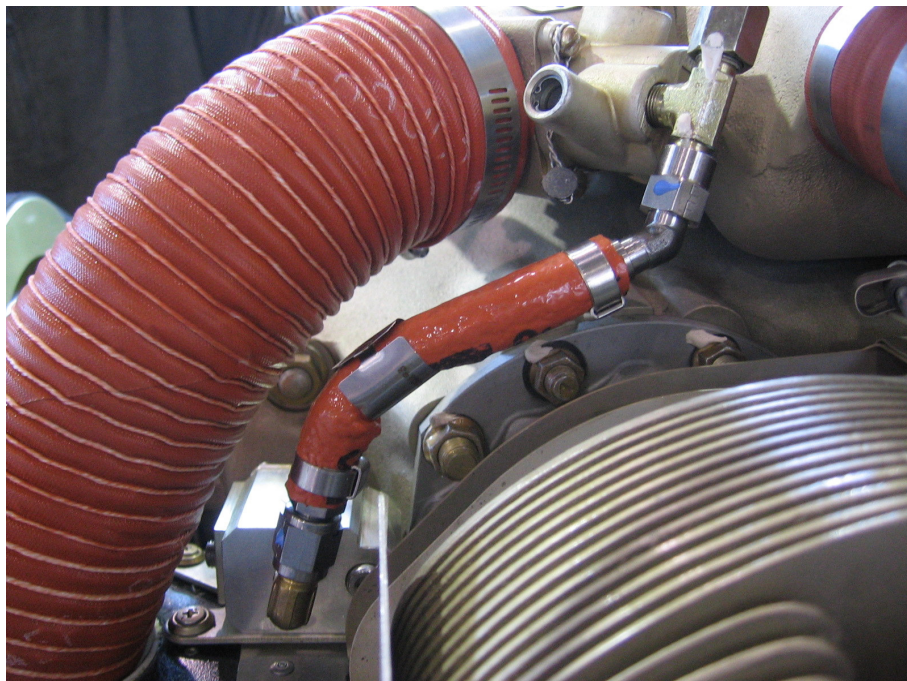
The weight and balance is not affected by this Service Bulletin.

## 12. Labor Credit:

None

## 13. Availability:

Contact Diamond Aircraft.



**Figure 1 – Fitting Orientation and Fuel Line Routing**

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*To obtain satisfactory results, procedures specified in this service bulletin must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft Industries Inc. cannot be responsible for the quality of work performed in accomplishing the requirements of this service bulletin. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this Service Bulletin if it is not incorporated.*

*If you no longer own the aircraft to which this service bulletin applies, please forward it to the current owner and send the name of the current owner to Diamond Aircraft Industries, Inc., at the address below*

Diamond Aircraft Industries Inc. 1560 Crumlin Sideroad, London, Ontario, Canada N5V 1S2

Phone: (519) 457-4041 Fax: (519) 457-4045

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